

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1	(mode near2 lock\$3 near3 fiber) and ((optical near3 element) or mirror or reflect\$4 or lens or prism) and (bi-direct\$4 or (bi near1 direct\$4)) and fiber near2 amplif\$4 and polari\$6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2005/09/30 07:10
S3	1	((mode near2 lock\$3) or modelock\$4 or (mode-lock\$4)) near3 fiber) and ((optical near3 element) or mirror or reflect\$4 or lens or prism) and (bi-direct\$4 or (bi near1 direct\$4)) and fiber near2 amplif\$4 and polari\$6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2005/09/30 07:11
S2	2	("20040213302").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/30 07:20
S4	13	((mode near2 lock\$3) or modelock\$4 or (mode-lock\$4)) near3 fiber) and ((optical near3 element) or mirror or reflect\$4 or lens or prism) and (bi-directional or (bi near1 directional)) and fiber near2 amplif\$4 and polari\$6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2005/09/30 07:22
S5	160	((mode near2 lock\$3) or modelock\$4 or (mode-lock\$4)) near3 fiber) and ((optical near3 element) or lens) and (fiber near2 amplif\$4) and polari\$6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2005/09/30 07:23
S7	6	((mode near2 lock\$3) or modelock\$4 or (mode-lock\$4)) near3 fiber) and ((optical near3 element) or lens) and (fiber near2 amplif\$4) and polari\$6 and grating and (laser or pump or source) and resonat\$4 and (dispers\$4 near2 control)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2005/09/30 07:55
S6	6	((mode near2 lock\$3) or modelock\$4 or (mode-lock\$4)) near3 fiber) and ((optical near3 element) or lens) and (fiber near2 amplif\$4) and polari\$6 and grating and laser and resonat\$4 and (dispers\$4 near2 control)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2005/11/17 08:33
S10	4	S8 and ((mirror or reflect\$4) near6 coefficient\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2005/11/17 10:17
S9	3	S8 and ((mirror or reflect\$4) near3 coefficient\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2005/11/17 10:17
S11	11	((mode-lock\$4) or (mode near2 lock\$4)) with fiber) and (mirror or reflect\$4) and grating ((mirror or reflect\$4) near6 coefficient\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2005/11/17 10:30
S13	142	((Fermann near3 Martin) or (Hartl near3 Ingmar) or (Imeshev near3 Gennady) or (Harter near3 Donald)).in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2005/11/17 10:39

S8	224	(((mode-lock\$4) or (mode near2 lock\$4)) with fiber) and (mirror or reflect\$4) and (optical near3 pulse) and grating	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2005/11/17 10:39
S15	13	(((mode-lock\$4) or (mode near2 lock\$4) or modelock\$4) with fiber) and (mirror or reflect\$4) and grating and ((mirror or reflect\$4) near6 coefficient\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2005/11/17 10:54
S14	42	(((mode-lock\$4) or (mode near2 lock\$4)) with fiber) and (mirror or reflect\$4) and grating and S13	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2005/11/17 10:54
S12	13	(((mode-lock\$4) or (mode near2 lock\$4) or modelock\$4) with fiber) and (mirror or reflect\$4) and grating ((mirror or reflect\$4) near6 coefficient\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2005/11/17 10:54
S16	11	(((mode-lock\$4) or (mode near2 lock\$4)) with fiber) and (mirror or reflect\$4) and grating and ((mirror or reflect\$4) near6 coefficient\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2005/11/17 10:57
S18	1	((mode-lock\$4) or (mode near2 lock\$4) or modelock\$) and fiber and amplif\$4 and oscillat\$4 and (mirror or reflect\$4) and grating and ((mirror or reflect\$4) near6 coefficient\$4) and S13	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2005/11/17 10:59
S17	147	((mode-lock\$4) or (mode near2 lock\$4) or modelock\$) and fiber and amplif\$4 and oscillat\$4 and (mirror or reflect\$4) and grating and ((mirror or reflect\$4) near6 coefficient\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2005/11/17 10:59
S21	42	(US-20050238070-\$ or US-20050232313-\$ or US-20050225846-\$ or US-20050163426-\$ or US-20050111500-\$ or US-20050105865-\$ or US-20050041702-\$ or US-20050008044-\$ or US-20040263949-\$ or US-20040240037-\$ or US-20040213302-\$ or US-20040075883-\$ or US-20030202547-\$ or US-20020172486-\$ or US-20020097761-\$ or US-20020034199-\$ or US-20010024458-\$).did. or (US-6956887-\$ or US-6954575-\$ or US-6885683-\$ or US-6819694-\$ or US-6744555-\$ or US-6549547-\$ or US-6396856-\$ or US-6344921-\$ or US-6334011-\$ or US-6275512-\$ or US-6252892-\$ or US-6208458-\$ or US-6198568-\$ or US-6181463-\$ or US-6154310-\$ or US-6072811-\$ or US-6014249-\$ or US-5880877-\$ or US-5867304-\$ or US-5847863-\$ or US-5778016-\$ or US-5696782-\$ or US-5627848-\$ or US-5499134-\$ or US-5450427-\$).did.	US-PGPUB; USPAT	AND	ON	2005/11/17 11:00
S20	47	((mode-lock\$4) or (mode near2 lock\$4) or modelock\$) and (fiber with amplif\$4 or oscillat\$4)) and (mirror or reflect\$4) and grating and ((mirror or reflect\$4) near6 coefficient\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2005/11/17 11:00
S23	192	((mode-lock\$4) or (mode near2 lock\$4) or modelock\$) and (fiber with amplif\$4) and (fiber with oscillat\$4) and (mirror or reflect\$4) and grating	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2005/11/17 11:03

S19	2	((mode-lock\$4) or (mode near2 lock\$4) or modelock\$) and (fiber with (amplif\$4 and oscillat\$4)) and (mirror or reflect\$4) and grating and ((mirror or reflect\$4) near6 coefficient\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2005/11/17 11:03
S24	19	("4750809"   "5185827"   "5499134"   "5510743"   "5631758"   "5818630"   "5847863"   "5880877"   "5960016"   "5998759"   "6014249"   "6072811"   "6154310"   "6181463"   "6275250"   "6281471"   "6449301"   "6480656"   "6496301").PN. OR ("6885683").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2005/11/17 11:11
S22	2	((mode-lock\$4) or (mode near2 lock\$4) or modelock\$) and (fiber with amplif\$4) and (fiber with oscillat\$4) and (mirror or reflect\$4) and grating and ((mirror or reflect\$4) near6 coefficient\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2005/11/17 13:29
S25	11	((mode-lock\$4) or (mode near2 lock\$4) or modelock\$) and (fiber with amplif\$4) and (fiber with oscillat\$4) and (mirror or reflect\$4) and grating and (partial\$3 near5 transmis\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2005/11/17 13:30
S28	102	((mode-lock\$4) or (mode near2 lock\$4) or modelock\$) and (fiber near3 amplif\$4) and (fiber near3 oscillat\$4) and (mirror or reflect\$4) and grating	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2005/11/17 13:42
S27	7	((mode-lock\$4) or (mode near2 lock\$4) or modelock\$) and (fiber near3 amplif\$4) and (fiber near3 oscillat\$4) and (mirror or reflect\$4) and grating and ((partial\$3 near5 transmis\$4) or (reflec\$4 near3 coefficient))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2005/11/17 13:42
S30	6	((mode-lock\$4) or (mode near2 lock\$4) or modelock\$) and (fiber near3 amplif\$4) and (fiber near3 oscillat\$4) and (mirror or reflect\$4) and grating and polariz\$5 and ((partial\$3 near5 transmis\$4) or (reflec\$4 near3 coefficient))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2005/11/17 13:43
S29	83	((mode-lock\$4) or (mode near2 lock\$4) or modelock\$) and (fiber near3 amplif\$4) and (fiber near3 oscillat\$4) and (mirror or reflect\$4) and grating and polariz\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2005/11/17 15:59
S26	12	((mode-lock\$4) or (mode near2 lock\$4) or modelock\$) and (fiber with amplif\$4) and (fiber with oscillat\$4) and (mirror or reflect\$4) and grating and ((partial\$3 near5 transmis\$4) or (reflec\$4 near3 coefficient))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2005/11/17 16:16
S31	6	((mode-lock\$4) or (mode near2 lock\$4) or modelock\$) with (fiber with oscillat\$4) and (fiber with amplif\$4) and (mirror or reflect\$4) and grating and ((partial\$3 near5 transmis\$4) or (reflec\$4 near3 coefficient))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2005/11/17 16:19
S32	63	((mode-lock\$4) or (mode near2 lock\$4) or modelock\$) with (fiber with oscillat\$4) and (fiber with amplif\$4) and (mirror or reflect\$4) and grating and polariz\$6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2005/11/17 16:22
S33	43	((mode-lock\$4) or (mode near2 lock\$4) or modelock\$) with (fiber near4 oscillat\$4) and (fiber near4 amplif\$4) and (mirror or reflect\$4) and grating and polariz\$6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2005/11/17 16:23

S34	0	((("5687261") or ("5530582") or ("5889901") or ("5917179") or ("5926492") or ("5189483") or ("5539761") or ("5905745") or ("H000015") or ("5208819") or ("5379309") or ("5600665") or ("5777778") or ("5956173") or ("6154310") or ("4486657") or ("4903341") or ("5016242") or ("5374935") or ("5590143") or ("5696779") or ("5867304") or ("6094971") or ("6178036") or ("5204640") or ("5621514") or ("5754607") or ("6118565") or ("6275512") or ("6333942") or ("6334011") or ("6549547") or ("6738408") or ("6744555") or ("6867904") or ("5723856") or ("5302918") or ("5432827") or ("5623359") or ("5757240") or ("4297656") or ("4540282") or ("4868896") or ("5353033") or ("5373261") or ("5754437") or ("6078356") or ("4264875") or ("4307409") or ("4577508").pn.) or ("4622586") or ("4958910") or ("5007106") or ("5050173") or ("5177449") or ("5223802") or ("5235452") or ("5239400") or ("5355124") or ("5457559") or ("5495232") or ("5504610") or ("5623233") or ("5644664") or ("5710649") or ("5742208") or ("5939924") or ("6246738") or ("6310715") or ("6353490") or ("6493131") or ("6509801") or ("6560007") or ("6751240") or ("6870629") or ("5200795") or ("5443227") or ("5790722") or ("4621925") or ("4866266") or ("5185828") or ("5513195") or ("5945667") or ("4399564") or ("4794249") or ("4812639") or ("4853528") or ("5208881") or ("5397889") or ("5568309") or ("5666372") or ("6144677") or ("6181465") or ("4284963") or ("4299490") or ("4886333") or ("4918491") or ("4973169") or ("5019826") or ("5208699").pn.)).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/17 16:35
S36	195	("5687261" "5530582" "5889901" "5917179" "5926492" "5189483" "5539761" "5905745" "H000015" "5208819" "5379309" "5600665" "5777778" "5956173" "6154310" "4486657" "4903341" "5016242" "5374935" "5590143" "5696779" "5867304" "6094971" "6178036" "5204640" "5621514" "5754607" "6118565" "6275512" "6333942" "6334011" "6549547" "6738408" "6744555" "6867904" "5723856" "5302918" "5432827" "5623359" "5757240" "4297656" "4540282" "4868896" "5353033" "5373261" "5754437" "6078356" "4264875" "4307409" "4577508").pn. ("4622586" "4958910" "5007106" "5050173" "5177449" "5223802" "5235452" "5239400" "5355124" "5457559" "5495232" "5504610" "5623233" "5644664" "5710649" "5742208" "5939924" "6246738" "6310715" "6353490" "6493131" "6509801" "6560007" "6751240" "6870629" "5200795" "5443227" "5790722" "4621925" "4866266" "5185828" "5513195" "5945667" "4399564" "4794249" "4812639" "4853528" "5208881" "5397889" "5568309" "5666372" "6144677" "6181465" "4284963" "4299490" "4886333" "4918491" "4973169" "5019826" "5208699").pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/17 16:37
S37	195	((("5687261") or ("5530582") or ("5889901") or ("5917179") or ("5926492") or ("5189483") or ("5539761") or ("5905745") or ("H000015") or ("5208819") or ("5379309") or ("5600665") or ("5777778") or ("5956173") or ("6154310") or ("4486657") or ("4903341") or ("5016242") or ("5374935") or ("5590143") or ("5696779") or ("5867304") or ("6094971") or ("6178036") or ("5204640") or ("5621514") or ("5754607") or ("6118565") or ("6275512") or ("6333942") or ("6334011") or ("6549547") or ("6738408") or ("6744555") or ("6867904") or ("5723856") or ("5302918") or ("5432827") or ("5623359") or ("5757240") or ("4297656") or ("4540282") or ("4868896") or ("5353033") or ("5373261") or ("5754437") or ("6078356") or ("4264875") or ("4307409") or ("4577508") or ("4622586") or ("4958910") or ("5007106") or ("5050173") or ("5177449") or ("5223802") or ("5235452") or ("5239400") or ("5355124") or ("5457559") or ("5495232") or ("5504610") or ("5623233") or ("5644664") or ("5710649") or ("5742208") or ("5939924") or ("6246738") or ("6310715") or ("6353490") or ("6493131") or ("6509801") or ("6560007") or ("6751240") or ("6870629") or ("5200795") or ("5443227") or ("5790722") or ("4621925") or ("4866266") or ("5185828") or ("5513195") or ("5945667") or ("4399564") or ("4794249") or ("4812639") or ("4853528") or ("5208881") or ("5397889") or ("5568309") or ("5666372") or ("6144677") or ("6181465") or ("4284963") or ("4299490") or ("4886333") or ("4918491") or ("4973169") or ("5019826") or ("5208699").pn.)).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/17 16:38

S35	96	("5687261" "5530582" "5889901" "5917179" "5926492" "5189483" "5539761" "5905745" H000015 "5208819" "5379309" "5600665" "5777778" "5956173" "6154310" "4486657" "4903341" "5016242" "5374935" "5590143" "5696779" "5867304" "6094971" "6178036" "5204640" "5621514" "5754607" "6118565" "6275512" "6333942" "6334011" "6549547" "6738408" "6744555" "6867904" "5723856" "5302918" "5432827" "5623359" "5757240" "4297656" "4540282" "4868896" "5353033" "5373261" "5754437" "6078356" "4264875" "4307409" "4577508").pn. ("4622586" "4958910" "5007106" "5050173" "5177449" "5223802" "5235452" "5239400" "5355124" "5457559" "5495232" "5504610" "5623233" "5644664" "5710649" "5742208" "5939924" "6246738" "6310715" "6353490" "6493131" "6509801" "6560007" "6751240" "6870629" "5200795" "5443227" "5790722" "4621925" "4866266" "5185828" "5513195" "5945667" "4399564" "4794249" "4812639" "4853528" "5208881" "5397889" "5568309" "5666372" "6144677" "6181465" "4284963" "4299490" "4886333" "4918491" "4973169" "5019826" "5208699").pn. and (((mode-lock\$4) or (mode near2 lock\$4) or modelock\$4) with (fiber near4 oscillat\$4)) and (fiber near4 amplif\$4) and (mirror or reflect\$4) and grating and polariz\$6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/17 16:38
S39	1	S35 and (((mode-lock\$4) or (mode near2 lock\$4) or modelock\$4) with (fiber near4 oscillat\$4)) and (fiber near4 amplif\$4) and (mirror or reflect\$4) and grating and polariz\$6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2005/11/17 16:39
S38	100	((("5687261") or ("5530582") or ("5889901") or ("5917179") or ("5926492") or ("5189483") or ("5539761") or ("5905745") or ("H000015") or ("5208819") or ("5379309") or ("5600665") or ("5777778") or ("5956173") or ("6154310") or ("4486657") or ("4903341") or ("5016242") or ("5374935") or ("5590143") or ("5696779") or ("5867304") or ("6094971") or ("6178036") or ("5204640") or ("5621514") or ("5754607") or ("6118565") or ("6275512") or ("6333942") or ("6334011") or ("6549547") or ("6738408") or ("6744555") or ("6867904") or ("5723856") or ("5302918") or ("5432827") or ("5623359") or ("5757240") or ("4297656") or ("4540282") or ("4868896") or ("5353033") or ("5373261") or ("5754437") or ("6078356") or ("4264875") or ("4307409") or ("4577508") or ("4622586") or ("4958910") or ("5007106") or ("5050173") or ("5177449") or ("5223802") or ("5235452") or ("5239400") or ("5355124") or ("5457559") or ("5495232") or ("5504610") or ("5623233") or ("5644664") or ("5710649") or ("5742208") or ("5939924") or ("6246738") or ("6310715") or ("6353490") or ("6493131") or ("6509801") or ("6560007") or ("6751240") or ("6870629") or ("5200795") or ("5443227") or ("5790722") or ("4621925") or ("4866266") or ("5185828") or ("5513195") or ("5945667") or ("4399564") or ("4794249") or ("4812639") or ("4853528") or ("5208881") or ("5397889") or ("5568309") or ("5666372") or ("6144677") or ("6181465") or ("4284963") or ("4299490") or ("4886333") or ("4918491") or ("4973169") or ("5019826") or ("5208699")).PN.	USPAT	OR	OFF	2005/11/17 17:03
L1	395	(fiber near4 oscillat\$4) and (fiber near4 amplif\$4) and (mirror\$1 or reflect\$4) and grating	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2005/11/18 07:36
L3	99	(fiber near4 oscillat\$4) and (fiber near4 amplif\$4) and (mirror\$1 or reflect\$4) and grating and ((mode-lock\$4) or modelock\$4 or (mode near2 lock\$4)) and pump\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2005/11/18 07:55
L2	113	(fiber near4 oscillat\$4) and (fiber near4 amplif\$4) and (mirror\$1 or reflect\$4) and grating and ((mode-lock\$4) or modelock\$4 or (mode near2 lock\$4))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2005/11/18 07:55

L5	2	("20050008044").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/18 09:18
L4	113	(fiber near4 oscillat\$4) and (fiber near4 amplif\$4) and (mirror\$1 or reflect\$4) and grating and ((mode-lock\$4) or modelock\$4 or (mode near2 lock\$4)) and (pump\$4 or laser)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2005/11/18 11:30
L7	22	6 not 4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2005/11/18 11:31
L6	135	(fiber near4 oscillat\$4) and (fiber near4 amplif\$4) and (mirror\$1 or reflect\$4) and (grating or dispers\$4) and ((mode-lock\$4) or modelock\$4 or (mode near2 lock\$4)) and (pump\$4 or laser)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2005/11/18 12:04
L9	3	((fiber near4 oscillat\$4) and (fiber near4 amplif\$4) and (mirror\$1 or reflect\$4) and (grating or dispers\$4) and ((mode-lock\$4) or modelock\$4 or (mode near2 lock\$4)) and (pump\$4 or laser)).clm.	US-PGPUB	AND	ON	2005/11/18 12:05
L8	5	((fiber near4 oscillat\$4) and (fiber near4 amplif\$4) and (mirror\$1 or reflect\$4) and (grating or dispers\$4) and ((mode-lock\$4) or modelock\$4 or (mode near2 lock\$4)) and (pump\$4 or laser)).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2005/11/18 12:05

## Advanced Search Preferences

Scholarly articles for (fiber oscillator) and (fiber amplifier) and (martin E. Fermann) and ((mode-lock) or modelock or (mode lock))

response saturable absorber can efficiently **mode-lock** dye. lasers owing to the active role of ... First, consider a **fiber oscillator** in which passive **mode** ...  
dx.doi.org/10.1109/3.159520 - Similar pages

www.freshpatents.com/ Mode-locked-multi-mode-fiber-laser-pulse-source-dt20050113ptan2005008044.php - 99k - Supplemental Result -  
Cached - Similar pages

appft1.uspto.gov/.../ 20050008044&amp;RS=DN/20050008044 - 102k - Supplemental Result - Cached - Similar pages

[info.tuwien.ac.at/photonik/highlights/images/RMP72-545\(2000\).pdf](http://info.tuwien.ac.at/photonik/highlights/images/RMP72-545(2000).pdf) - Similar pages

File Format: PDF/Adobe Acrobat - View as HTML

### Similar pages

Rev. Mod. Phys. 72, 545 (2000): Brabec and Krausz - Intense few ...

[PDF] [www.bfrl.nist.gov/bfrlnews/NISTIR\\_7117](http://www.bfrl.nist.gov/bfrlnews/NISTIR_7117) Final Compl...

File Format: PDF/Adobe Acrobat - [View as HTML](#)

Similar pages

Try searching for (fiber oscillator) and (fiber amplifier) and (martin E. Fermann) and ((mode-lock) or modelock or (mode



Free! Instantly find your email, files, media and web history. Download now.

(fiber oscillator) and (fiber amplifier)

## Search

[Search within results](#) | [Language Tools](#) | [Search Tips](#) | [Dissatisfied? Help us improve](#)

[Google Home - Advertising Programs - Business Solutions - About Google](#)

©2005 Google





Advanced Scholar Search  
Scholar Preferences  
Scholar Help

Search

(fiber amplifier) and (fiber oscillator and ((mode-lock) or modelock or (mode lock)) (fiber amplifier) and (fiber osci...

Lowercase "or" was ignored. Try "OR" to search for either of two terms. [details]  
The "AND" operator is unnecessary -- we include all search terms by default. [details]

**Scholar** Results 1 - 10 of about 11 for (fiber amplifier) and (fiber oscillator and ((mode-lock) or modelock or (mode lock)) (fiber amplifier) and (fiber osci...

### COUPLED OPTO-ELECTRONIC OSCILLATORS

RLB COEO - ieexplore.ieee.org

... we demonstrated a Coupled Opto-Electronic Oscillator (COEO) in ... The devices **mode-lock** best near threshold (as seen ... use of the Er doped **fiber amplifier** (EDFA) in ...

Web Search

### Soliton Dynamics in Mode-Locked Lasers

ST Cundiff - springerlink.com

... two ba- sic constituents of any **oscillator**, namely amplification ... is the erbium-doped **fiber amplifier** (EDFA) [4 ... Prior to their observation in a **fiber laser** [15 ...

Web Search

### b input locking frequency c 5th mode frequency

XS Yao, L Maleki - ieexplore.ieee.org

... 2)aR is satisfied, no **amplifier** is required ... Microwave and millimeter-wave **fiber optic** technologies ... E.: 'Nonlinear electrooptic **oscillator** using an integrated ...

Web Search

### Ultrahigh-speed optical time-division-multiplexed transmission technology based on optical signal ...

S Kawanishi - IEEE J QUANTUM ELECTRON, 1998 - ieexplore.ieee.org

... PLL) based on FWM in a semiconductor laser **amplifier** (SLA ... requirement is synchronization to a master **oscillator** to realize ... of a beat signal in a **fiber** [15], and ...

Cited by 48 - Web Search - dx.doi.org - ieexplore.ieee.org - csa.com - all 5 versions »

### [book] Compact sources of ultrashort pulses

IN Duling, ML Dennis - 1995 - print.google.com

... phase epitaxy OPO optical parametric **oscillator** OSA optical ... dispersion TWA traveling-wave (laser) **amplifier** UV ultraviolet ... of the modelocking of **fiber lasers**. ...

Cited by 25 - Web Search - link.aip.org - Library Search

1"

R Allen, L Esterowitz - ELECTRONICS LETTERS, 1995 - ieexplore.ieee.org  
... Skm and 140Mb/s-25km single-**mode fiber** transmission using ... with 500MHz highpass filter  
inserted after drive **amplifier** ... ing when the drive **oscillator** is ,lightly ...  
Cited by 1

Ultrafast harmonic **mode**-locking of monolithic compound-cavity laser diodes incorporating photonic- ...  
DA Yanson, MW Street, SD McDougall, LG Thayne, JH ... - IEEE Journal of Quantum Electronics, 2002 - ieexplore.ieee.org  
... can also be used as a local **oscillator** source in ... facet was coupled into lensed  
single-**mode fiber** and fed ... used to trigger the **lock-in amplifier** measuring the ...  
Cited by 8 - Web Search - [intenseco.com](http://intenseco.com) - [adsabs.harvard.edu](http://adsabs.harvard.edu) - [link.aip.org](http://link.aip.org) - all 6 versions »

#### Ultralow-noise modelocked lasers

LA Jiang - dspace.mit.edu  
... **oscillator** with the 300 kHz tone applied. . . . . 101 3-17 Dispersion-managed  
recirculating loop. MLLD is **mode**-locked laser ... EDFA is erbium-doped **fiber amplifier**. ...  
Cited by 1 - Web Search

#### Optical Interconnects to Silicon Chips using Short Pulses

D Agarwal - stanford.edu  
... receiver delay for 2 and 3 post-**amplifier** stages ... 2 D free space single and multimode  
**fiber** coarse-WDM and TDM parallel ... dense-WDM and TDM Single **mode fiber** ...  
Cited by 3 - View as HTML - Web Search

#### Dispersion measurements for femtosecond-pulse generation and applications

WH Knox - Applied Physics B Laser and Optics, 1994 - springerlink.com  
... 10 fs duration directly from an **oscillator** with- out ... Dispersion in single-**mode** fibers  
has been studied with ... surements of dispersion in short **fiber** lengths (< 1 ...  
Cited by 13 - Web Search - [adsabs.harvard.edu](http://adsabs.harvard.edu)

Google

Result Page: 1 2 Next

Search

(fiber amplifier) and (fiber oscillator and

[Sign in](#)



Web Images Groups News Froogle Local <sup>New!</sup> [more »](#)  
  [Advanced Search](#)  
[Preferences](#)

Lowercase "or" was ignored. Try "OR" to search for either of two terms. [\[details\]](#)  
The "AND" operator is unnecessary -- we include all search terms by default. [\[details\]](#)

## Web

Results 1 - 10 of about 11 for ([martin E. Fermann](#)) and (([mode-lock](#)) or [modelock](#) or ([mode lock](#))). (0.15 seconds)

### Scholarly articles for ([martin E. Fermann](#)) and (([mode-lock](#)) or [modelock](#) or ([mode lock](#)))



Polarization locking in an isotropic, modelocked soliton ... - by Cundiff - 8 citations  
[Compact sources of ultrashort pulses](#) - by Duling - 25 citations

[PDF](#) Femtosecond solid-state lasers - [Quantum Electronics, IEEE Journal of](#)

File Format: PDF/Adobe Acrobat

Ferenc Krausz, **Martin E. Fermann**, Thomas Brabec, Peter. F. Curley, **Martin Hofer**,  
Manfred ... response saturable absorber can efficiently **mode-lock** dye ...  
[dx.doi.org/10.1109/3.159520](#) - [Similar pages](#)

[PDF](#) Suppression of instabilities and pulsewidth limitation by two ...

File Format: PDF/Adobe Acrobat

Min Jiang, Gregg Sucha, **Martin Fermann**, Don Harter, IMRA America, Inc. 1044,  
Woodridge Avenue Ann Arbor, ... dition for suppressing Q-switched **mode lock**- ...  
[ieeexplore.ieee.org/iel5/6638/17705/00834419.pdf?arnumber=834419](#) - [Similar pages](#)

[PDF](#) Short-pulse fiber lasers - [Lasers and Electro-Optics, 1996. CLEO ...](#)

File Format: PDF/Adobe Acrobat

**Martin Fermann**, IMRA America, Inc., President. CFIL (Invited) ... The **mode-lock**-  
ing process is via the optical Kerr-effect- ...

[ieeexplore.ieee.org/iel5/3831/18726/00865007.pdf?arnumber=865007](#) - [Similar pages](#)

[PDF](#) FOREWORD The Fifth Pacific Rim Conference on Lasers and Electro ...

File Format: Microsoft Word - [View as HTML](#)

**Martin Fermann**, IMRA America Inc., USA ... "Ultra-resolution Distance Meter using  
a frequency Comb of a Femtosecond **mode-Lock Laser**". DS Mehta, ...

[www.ece.umd.edu/MEMS/Final%20call%20for%20papers%20CLEO-PR%202003-%2012-5-publish.doc](#) - Supplemental Result - [Similar pages](#)

[PDF](#) USING STANDARD SYSTE

File Format: PDF/Adobe Acrobat - [View as HTML](#)

**mode** fused silica fiber that can be used for **mode lock**- ... Dennis (1995) and

**Fermann** (1995). C. Kerr-lens and solitary **mode** locking: Routine ...  
info.tuwien.ac.at/phonik/ highlights/images/RMP72-545(2000).pdf - [Similar pages](#)

[PDF] [www.isd.mel.nist.gov/documents/stone/NISTIR\\_7117\\_F...](http://www.isd.mel.nist.gov/documents/stone/NISTIR_7117_F...)  
File Format: PDF/Adobe Acrobat - [View as HTML](#)  
Supplemental Result - [Similar pages](#)

### **Mode-locked multi-Mode fiber laser pulse source patent**

Inventors: **Martin E. Fermann**, Donald J. Harter ... well and bulk semiconductor saturable absorbers have also been used to **Mode-lock** color center lasers ...  
[www.freshpatents.com/Mode-locked-multi-mode-fiber-laser-pulse-source-dt20050113ptan20050008044.php](http://www.freshpatents.com/Mode-locked-multi-mode-fiber-laser-pulse-source-dt20050113ptan20050008044.php) - 99k - Supplemental Result - [Cached](#) - [Similar pages](#)

### **United States Patent Application: 00500008044**

Inventors: **Fermann, Martin E.**; (Dexter, MI) ; Harter, Donald J.; (Ann Arbor, ... saturable absorbers have also been used to **Mode-lock** color center lasers ...  
[appft1.uspto.gov/.../20050008044&RS=DN/20050008044](http://appft1.uspto.gov/.../20050008044&RS=DN/20050008044) - 102k - Supplemental Result - [Cached](#) - [Similar pages](#)

**Rev. Mod. Phys.** **72, 545 (2000): Brabec and Krausz** - Intense few ...  
**Fermann**, ME, 1995, in Compact Sources of Ultrashort Pulses, ... Eq. (30)] introduced by a singlemode fused silica fiber that can be used for **mode lock**-ing. ...  
[link.aps.org/doi/10.1103/RevModPhys.72.545](http://link.aps.org/doi/10.1103/RevModPhys.72.545) - [Similar pages](#)

[PDF] [www.bfrl.nist.gov/bfrlnews/NISTIR\\_7117\\_Final Compl...](http://www.bfrl.nist.gov/bfrlnews/NISTIR_7117_Final_Compl...)  
File Format: PDF/Adobe Acrobat - [View as HTML](#)  
Supplemental Result - [Similar pages](#)

*In order to show you the most relevant results, we have omitted some entries very similar to the 10 already displayed. If you like, you can repeat the search with the omitted results included.*

Try searching for **(martin E. Fermann) and ((mode-lock) or modelock or (mode lock))** on Google Book Search



Free! Instantly find your email, files, media and web history. [Download now.](#)